



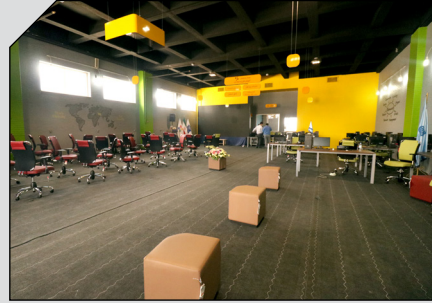
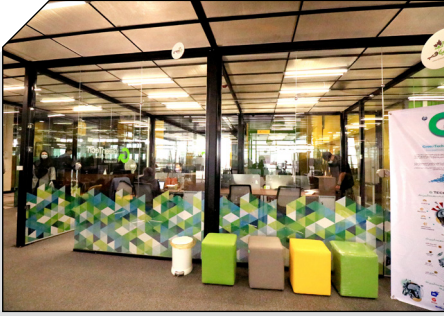
**FAVA**

Information & Communication  
Technology Park

**ICT Park at a Glance**



## Views from ICT Park, Semnan Branch





#### Report ID

- **Title:** ICT Park at a Glance
- **Managing Director:** Abbas Ghanbari Baghestan (PhD)
- **Executive Manager:** Mina Rasti
- **Translator:** Raheleh Sadeghzadeh Milani
- **Compositor and Typesetter:** L.Eskandarpoor
- **Publisher:** ICT Park's Relations and International Affairs
- **Address:** Information and Communication Technology Park, 26 km Tehran-Karaj highway.
- **Email:** Commercial@ict-park.ir
- **Phone:** 0098-2634916570
- **Fax:** 0098-2634916470



## Introduction

Establishing science and technology parks is the latest knowledge and technology-based approach appropriated by countries vis-à-vis operationalization and applicability of science in businesses, providing business survival infrastructure, and development of startups; the approach ultimately aims to increase social wealth through promotion and expansion of innovation within a competitive culture among member companies in each science and technology park.

In this respect, the Ministry of Communications and Information Technology established the ICT Park in 2017, aiming to support innovative and technology-based businesses active in the field of ICT. As a national park, ICT Park is currently considered as the technological development hub, providing domestic ICT companies with services, facilities and equipment.

## Value

The Information and Communication Technology Park supports all ICT businesses that “have secured production maturity, and are planning to enter the ICT market at the domestic, regional and international levels.”



ICT Park  
at a Glance

## Mission and Objectives

The eventual objective of the Information and Communication Technology Park is to attract domestic and international technology companies and businesses, to boost manufacturing of modern ICT products, and hence to facilitate their presence in both domestic and international markets. To this end, the main mission of ICT Park is to provide an “economic development and technological expansion of companies, as well as an eventual increase in their competitiveness.”

Other implications of the mission are as follows:

Promoting SMEs to developed ones by enabling them to enter both domestic and international ICT supply chain;

Developing international interactions of member technology companies at both regional and international levels;

Assisting member technology companies with network building process, and prioritizing their production based on the demands of domestic and international markets;

Attracting Iranian ICT specialists living overseas, and facilitating their repatriation.



ICT Park  
at a Glance



## Vision

Internationalization as in the form of expanding international cooperation of member companies emerges as one of ICT Park's most important plans. As the country's first market-oriented park, ICT Park aspires to "become a world-class technology park, welcoming well-known and leading domestic and international companies; and to emerge as the most prestigious ICT technology development center, actively reciprocating with the related businesses in the country".

Considering this global vision, in addition to assisting companies in their path toward internationalization, ICT Park is fully prepared to provide necessary infrastructure and services essential to attract large regional and international ICT companies.



ICT Park  
at a Glance

## Active Sites of ICT Park

ICT Park currently hosts 60 active technology companies in three sites, namely, “Alborz”, “Mashhad” and Semnan. These three sites Alborz, Mashhad and Semnan include the following features:



**A. Alborz site (formerly, Sajjad):** This is the main site of the Information and Communication Technology Park, located at 26 km of Tehran-Karaj highway, Alborz province; the 22-hectare-land hosts more than 40 residential and office blocks. Currently, more than 50 technology companies are operating on this site.



**B. Mashhad site:** This site was launched in 2018 in Post Bank building located in Khayyam Blvd. The ten-story building, occupying 3,000 square meters, is available to member companies with all facilities. There are currently more than 10 technology companies operating in this site.

**C) Semnan site:** Semnan branch of ICT Park with the approach of supporting skills-based training, establishment of technology companies and the establishment of accelerators in the field of ICT, aerospace and digital content production was launched in August 2021. This branch occupies an area of about 5000 square meters, of which more than 2000 square meters is allocated to shared workspace, training classes and office blocks. In addition to the above three active branches, a number of other branches in Mazandaran, etc. is under construction.



ICT Park  
at a Glance

## Some of the Most Important Processes In the ICT Park

### ICT Park Technology Atlas

One of the innovations of the Information and Communication Technology Park is the introduction of “Technology Products Atlas” which covers all member companies an annual basis. ICT Park



Technology Atlas is in fact the official product identifier which includes an organized collection of product-related data of technology companies based in the park. Technology Atlas includes the introduction of all technology products of the park’s affiliated companies, which has been assessed rigorously by experts and specialized bodies.

This atlas is not just a brochure, but a scientific report on the products offered by member companies. This report includes all documents related to the introduction of products and services of member companies based in the park, such as the introduction of products and services, relevant technology area, technical specifications, main customers and their technological depth according to specialized assessments made based on annual performance evaluation. Each product is evaluated through a scientific and specialized evaluation process and technological depth of the product (including the technology percentage of the product manufacturer and its degree of complexity) is determined through examining the relevant product.

As a result of this evaluation process, depending on their technological depth, all selected products are divided into three categories: products with technology depth A, products with technology depth B and products with technology depth C. The content of Technology Atlas can be considered as a reliable document and its information, in addition to advertising objectives for receiving financial support to improve quality and increase technical competitiveness, can be used by organizations such as Innovation and Prosperity Fund and other organizations supporting domestic products.

In addition to accessing the electronic version of the Park’s Technology Atlas, you can also find an organized collection of data for all the products introduced in this Atlas by visiting ICT Park’s website.





## Digital Economy Development Network (DEDN)

One of the innovations of ICT Park is the creation of a digital economy development network (DEDN) which is launched with the aim of synergizing and utilizing the capacity of all Iranian science and technology parks in order to develop a knowledge-based economy and increase the share of digital businesses in the country. Currently, more than 31 science and technology parks and growth centers throughout the country have joined the network. DEDN Network members can receive a broad range of financial and logistical support annually and intermittently, such as “Javaneh Grant” (to fund those theses and dissertations that present market-oriented ideas), “Roshd Grant” (to fund Technology Product Development Grant), “Vocational Education and Training Programs Grant” (to fund skill-oriented courses and programs) etc.

All processes, activities, members and logistical support provided to DEDN network members has been reflected in three detailed reports and is available through ICT Park’s trilingual website:

- 1- “Parks’ and Growth Centers’ Membership in DEDN Network (Digital Economy Development Network)”
- 2- “The first call for Roshd Research Grant in DEDN network”
- 3- The detailed report on “The trial call for Javaneh Grant in DEDN network”.



ICT Park  
at a Glance



### **Digital Content Production: ICT Park's Propulsive Project**

One of the propulsive plans of ICT Park is to design and create the infrastructure of a unique ecosystem “production and distribution of digital content” with the aim of developing digital businesses, improving the country’s position in digital economy and increasing national revenue by boosting the country’s data traffic (with an emphasis on increasing the export of digital cultural products).

ICT Park’s main plan in this respect is to create a network of “digital content production laboratories” throughout the country, in the first phase of which, the largest local “Innovation Center for Digital Content Creation and Distribution” was launched in Mashhad branch in 2020.

Currently, more than 50% of the physical space of Mashhad branch is allocated to the Innovation Center for Digital Content Creation and Distribution and two large accelerators, GreenTech and Nitech, are established in this branch as ICT Park’s affiliates, and support startups through a series of plans such as specialized training and acceleration.

Academy of education and entrepreneurship, specialized mentoring, investment and commercialization, investment and acceleration, specialized accelerators, startup studio, shared workspace for experts, teams and technical staff, eight audio and video studios, marketing and commercialization training, digital marketing through email advertising, production and distribution of online brochures, animation, games, videos, podcasts, creating information bases, channels, buy and sell websites, social media pages are among the most important sections, services and circles of innovation ecosystem and the center for digital content creation and distribution in ICT Park.





## ICT Trilingual Newsletter and Content Production Bulletins

Information and Communication Technology Park’s newsletter is the official information element of ICT Park. This trilingual newsletter published on a monthly basis in Farsi, Arabic and English includes “ICT Park’s news”, “Introduction of ICT Park’s technology companies’ products” and “New Ideas”.

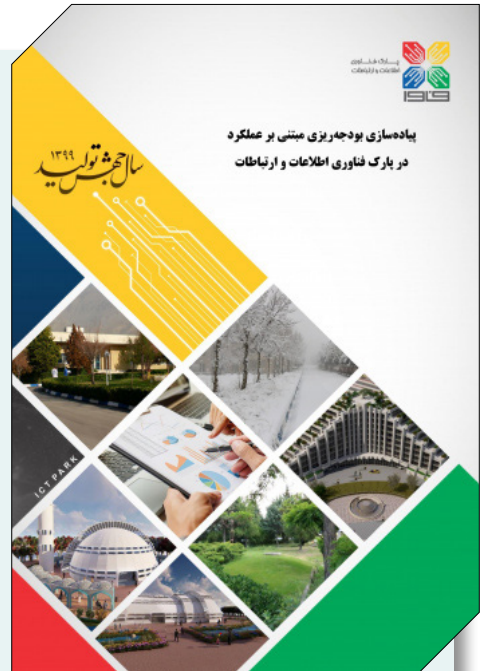
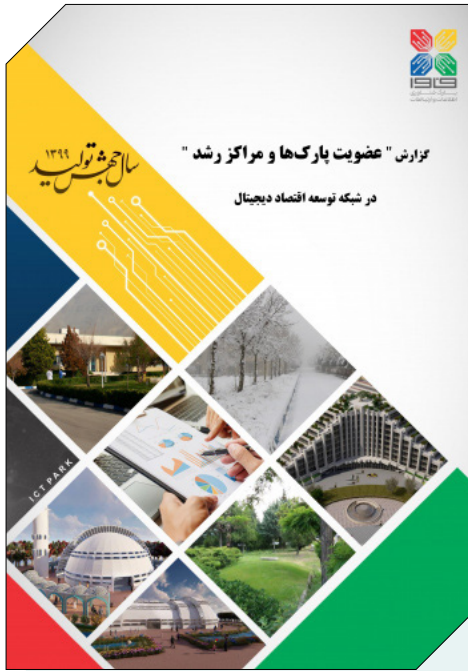
In addition to the ICT newsletter, a series of content production bulletins have been compiled and published intermittently with the aim of idea generation (ideation) in connection with “Modern Governance in Science and Technology Parks”, a series of “From Idea to Phenomenon” clips and other thematic reports on the park's developmental activities.

ICT Park, as a responsible and pioneering institution in the field of information and transparency, publishes all the reports and relevant information in its trilingual database, considering the importance of ensuring “free public access to information” and the realization of the principle of “transparency.”

By taking an in-depth tour through the ICT Park’s website, you can visit the ICT Park’s library and read and download all the issues of our newsletter, content production bulletins, and enjoy ideation clips, various virtual tours etc.



ICT Park  
at a Glance



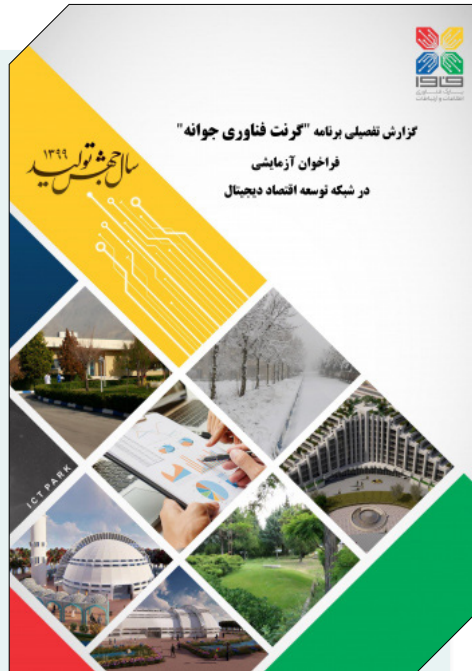
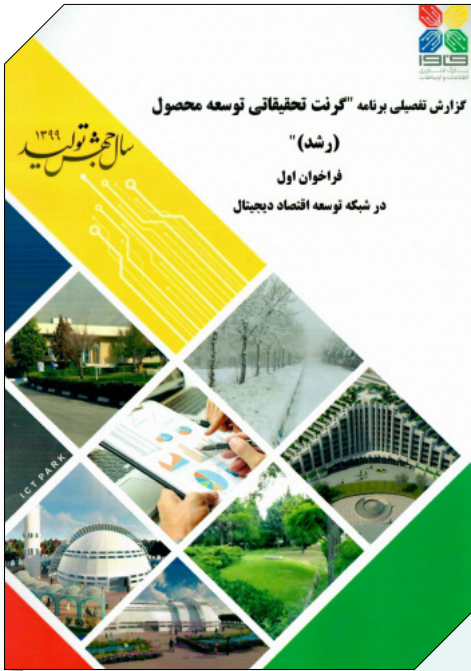
## Social Responsibility and Transparency

“Social Responsibility” is a relatively new discourse in the approach of various businesses to the environment, including the role and participation in social development, commitment to the environment, transparency and meritocracy, maintaining various public rights and so on with the aim of redesigning the bio-ethical structure of business environment.

ICT Park, as a pioneer park in the field of ICT, is no exception. ICT Park’s approach to social responsibility is multifaceted in which, in addition to the importance of paying attention to components of social responsibility such as green management and environmental protection, transparency and meritocracy, empowerment of society, non-discrimination and maintaining public rights as a “moral” matter are also at the top of the responsibility pyramid.

Accordingly, both social responsibility and moral responsibility as two major issues, have always been considered by ICT Park officials in all policy-making, planning and development processes within the park, including admission and acquisition of technology companies, development of businesses in the field of ICT, development of technology and innovation ecosystem, development of internal and external cooperation networks.





ICT Park is proud to form a “Technology Professional Ethics Council” consisting of park officials, CEOs of technology companies based in the park, as well as observers and social and cultural activists (university professors, heads of scientific-research associations, members of National Charity Network) puts the two important issues of “social responsibility” and “moral responsibility” in the forefront of its attention; and is committed to draft the grand charter of “moral and social responsibility” of the park.

Moreover, in line with the principle of transparency, all ongoing processes and construction in the ICT Park are accurately documented in the form of reports, such as “performance-based budgeting”, “corporate products evaluation report”, “membership report of parks and growth centers in DEDN Network” and “Report on Grants Awarded”. These have been published and made available to the public based on the principle of free access to information of organizations. To benefit from the facilities and capacities of ICT Park in developing social, cultural and civic activities, and to obtain more information, all institutions and organizations, especially institutions and civic associations, are invited to contact us through the ICT Park’s trilingual website.



ICT Park  
at a Glance

## Internationalization and Commercialization

ICT Park, as a science and technology hub, is the first national and specialized park in the field of ICT with a “market-oriented” approach. Accordingly, internationalization with the aim of “becoming a world-class technology park with well-known and leading domestic and international member companies and the most prestigious center for ICT technology development and related businesses in the country” is among the high-priority projects of ICT Park.

Considering the ICT-related focus of ICT Park, a wide range of ICT projects and initiatives such as launching the first smart greenhouse using IoT technology, launching the largest digital content production center in the country, launching “Digital Economic Development” network, and even some important products of technology companies (which possess A-level technological qualification

based on important technical indicators and scientific and rigorous assessment), apart from maintaining a thriving presence in national markets, have also the potential to break into regional and international markets.

At the ICT Park, internationalization processes are planned and implemented through the High Council for Internationalization.

“Awarding a grant for developing products eligible to compete at international level”, selecting and awarding the license for “Export Brokerage”, “Attending important regional and international events and their memberships”, “Attending international and regional exhibitions”, “Hosting international delegations for commercial, economic and diplomatic ties” and so on are among the most important areas of focus in line with internationalization.

For more information on ICT Park activities in the international arena, product booklets and other facilities, initiatives and capacities of ICT Park in Persian, Arabic and English, visit ICT Park website.



## IoT Greenhouse in Information and Communication Technology Park

“Food Security” is an important national and even global challenge, and especially in recent years due to natural crises such as drought, desertification, water scarcity, as well as political crises such as war and violence is of significant importance.

In line with the issue of “food security” and increased productivity in agriculture and food products, IoT Greenhouse is the first fully mechanized greenhouse in the country which is launched in small and laboratory scale in an area of 100 square meters within ICT Park.

In this greenhouse, all relevant processes such as irrigation, temperature regulation, humidity regulation, fertilization, using reclaimed wastewater for irrigation, pest detection and so on are performed completely through an IoT based intelligent system.

Compared to other greenhouses, IoT greenhouses reduce water consumption up to 50% and increase crop yield on average by 30 to 40%. It is even possible to reduce water consumption and increase efficiency by full adherence to the parameters.

ICT Park plans to set up 100 smart greenhouses based on IoT technology across the country; priority given to border provinces.

For more information on the greenhouse and for a virtual tour allowing you to explore different parts of this smart greenhouse, please visit the ICT Park’s trilingual website.



ICT Park  
at a Glance



### **Information and Communication Technology Park's Wastewater Treatment House**

One of the main priorities of ICT Park is adaptation of all mechanisms and governance processes in the park to the principles, standards and policies aimed at environmental protection and green space and ultimately turning ICT Park into an “Eco-Friendly Village.”

One of the measures taken to turn ICT Park into an “eco-friendly village” is to set up a central wastewater treatment plant at ICT Park with an investment of \$66000. This treatment house is of activated sludge type, which is one of the most common methods of sanitary and industrial wastewater treatment based on biological treatment.

This treatment house is designed in a way that the sewage and wastewater of the park complex is collected by a wastewater collection network from the surface of the site (park complex) and is directed to the central treatment house. Then, the stages of wastewater treatment and extraction in this treatment house are done through five technical stages: 1- Granulation, 2- Aeration, 3- Sludge Settling, 4- Activated Sludge Return and 5- Aeration.

The current capacity of the park's central treatment house is designed for 2,500 manpower. However, it is possible to increase the capacity of wastewater treatment house up to 4,000 manpower.

Sewage treatment of the ICT Park, other than preventing water wastage, injection of pollutants and infiltration of sewage into groundwater aquifers, provides the water needed for the 22-hectare green space of ICT Park.



## Safava System

System outsourcing and moving towards “electronization” of all organizational processes, mechanisms and instructions with the aim of promoting efficiency, transparency and accountability principle is one of the most important requirements of modern governance in science and technology parks.

Safava (ICT Park’s Processes and Information System) is launched by ICT Park with the aim of establishing service provision processes and supporting the member companies and institutions as well as other affiliated networks.

Safava is one of the enterprise software systems or platforms based on the establishment and implementation of BPMS (Business Process Management Systems). BPMS is a systematic approach for managing the deployment and optimization of business processes in organizations in order to improve efficiency and boost operations speed, which is capable of automating and mechanizing the system and implementing changes in processes with minimal programming requirements. BPMS can integrate all organizational softwares and electronize the organizational services.

Technically and structurally, Safava system has three important features and advantages:

- A) it is process-based;
- B) it is capable of developing other processes within the system directly by the park’s internal teams;
- C) And most importantly, it is entirely produced locally and its engine was created by one of the Iranian knowledge-based companies.

Safava enables ICT Park to easily and quickly perform different steps such as modeling, organizing, mechanizing, and managing processes inside and outside the Park, while maintaining integrity.

For more information on the system’s services, facilities and capacities, reports on ICT Park’s physical spaces and for submitting new requests, please refer to Safava system on the ICT Park’s trilingual website.



ICT Park  
at a Glance

فراخوان ارزیابی عملکرد  
شرکت های عضو پارک فناوری اطلاعات و ارتباطات (فاوا)  
در سال ۱۳۹۹ منتشر شد.



براساس این فراخوان یکی از شرایط ادامه عضویت/استقرار در پارک فناوری اطلاعات و ارتباطات و ارائه خدماتی همچون صدور معرفی نامه معافیت های مالیاتی برای شرکت های عضو، سطح کیفیت فعالیت شرکت و عملکرد فناورانه آن است.

پست الکترونیکی واحد پذیرش و ارزیابی [ASSESSMENT@ICT-PARK.IR](mailto:ASSESSMENT@ICT-PARK.IR)  
جهت ارسال کاربرگ های ارزیابی و مستندات پیوست

حداکثر تا پایان وقت اداری روز دوشنبه مورخ ۱۴۰۰/۰۴/۰۷

### Implementing performance-based budgeting

Performance-based budgeting system, not only in science and technology parks but also in all public organizations and institutions, is another requirement of modern governance which should be on the agenda in line with the principle of transparency and accountability.

Performance-based budgeting system is a management system to improve the efficiency and effectiveness of organizational resources, in which budgetary credits are allocated to the performance of organizational units in order to produce outputs (service products) or the same short-term goals or to achieve long-term goals. Accordingly, the organization is led to increase transparency in the way the resources are used for carrying out activities, in output production and in achieving goals and strategies, as well as to enhance its responsiveness. In our country, the need to establish a performance-based budgeting system has been in the spotlight recently and in this regard, the government is obliged to fully implement performance-based budgeting in the executive apparatus by the end of the Sixth Five-Year Economic, Social and Cultural Development Plan. In its first year of activity in 2019, Information and Communication Technology Park, as a leading park and an executive body, placed the issue of performance-based budgeting on its agenda and ultimately, performance-based budgeting in ICT park was completely implemented and executed by 2020.

The first report of this process was also published independently in a report entitled "Performance-Based Budgeting Implementation Report". For the original report and detailed information on budget processes and related reports, please visit the ICT Park's trilingual website.



ICT Park  
at a Glance

# Available Services

Companies operating in the information and Communication Technology Park can benefit from a wide range of services, namely, from public and basic to scientific and specific services, and to technical and facilitative services such as shared working space, accelerator services, specialized mentoring, investment and commercialization, etc. Some of the most important services are as follows:



## A. General and Basic Services

1. High Quality Accommodation: available in both Alborz and Mashhad sites.
2. Establishment: secretarial, protection and security, communications, common spaces
3. Financing: Venture Capital Services, bank loans, research and technology fund, brokerage services for Innovation and Prosperity Fund.

## B. Specialized Services

1. Management Consulting Services: financial, insurance and legal consulting, stock exchange brokerage services, coaching services.
2. Commercial Consulting Services: brand consultancy, local marketing, capital raising and commercialization
3. International Consulting Services: Getting patents, obtaining international standards and certificates, facilitating International Marketing

## C. Technical services:

1. Technology Procurement Services
2. Safe Software Environment (Filtering)
3. Business Clinic
4. Technical and laboratory infrastructure services
5. Specialized services such as training courses, laboratories and workshops, specialized consultations, holding and participation in exhibitions and events.





## How to Register a Company in the Information and Communication Technology Park

### Target Audience

Information and Communication Technology Park can host a wide range of companies active in ICT should they meet one of the following conditions:

1. Young and SMEs (with at least 3 years of work experience or technological and innovative concepts entering the ICT Park Technology Development Center)
2. Developed domestic and foreign companies
3. Large and reputable national and international companies
4. Distinguished local graduates and talented elites living abroad.

Companies active in ICT can apply for membership in the Information and Communication Technology Park via the annual call for membership. The call is announced through the official website of the park reachable at:

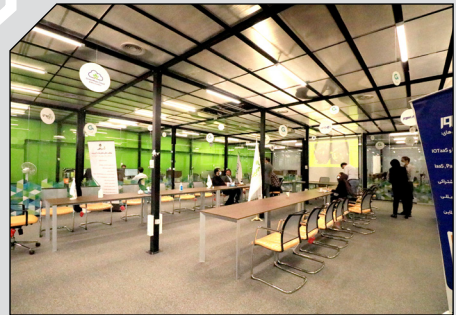
<http://ict-park.ir/en>

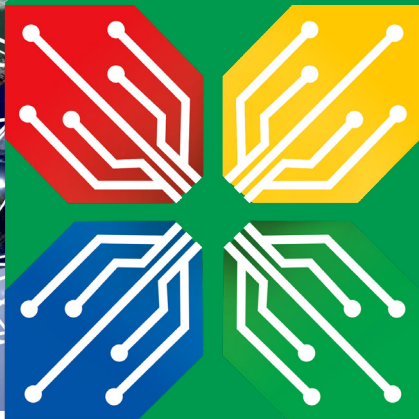
Membership in the Information and Communication Technology Park is possible only through a public call, and after going through the technical and scientific evaluation process maintained by a team of experts.



ICT Park  
at a Glance

## Views from ICT Park, Mashhad Branch





**FAVA**

Information & Communication  
Technology Park

